Code 584 Project Status

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Code 584 Project Status
AS of 9/21/04

Project	Status Jul	Status Aug	Status Sep	Last Report	CS	Δ	SSC	Notes
On-Orbit Missions								
EO-1	G	G	G	Jun-03	0.50		10.00	Meeting at HQ to discuss EO-1 future funding early Oct. Current funding runs out Dec '04. Livingstone demo successful - AMES providing $15k to do more Livingstone exps. for a few months. HQ considering using EO-1 to augment Landsat.
EOSDIS	G	G	G	Mar-02	0.80			New requirements for FY05 - SOW (0.9FTE). Attending ESMO Project Retreat Sept 29. Raytheon currently working post-launch delivery - Build 16. NGST PMDB delayed from Sept 15 to Sept 22. Will impact delivery of post launch system. Raytheon working training plan for transition to MOMS. Concerns with Raytheon having sufficient time to complete items prior to the end of ECS Contract. Adams working plan with ESMO to prioritize items.
Hitchhiker / FAST	G	G	G	Sep-02	0.00	-0.10	0.50	Project org dissolved. Hitchhiker GDS property excessed/ transferred to other projects. The GDS task closed-out on Sept 1. GDS support no longer required (deleted from this list).
HST	G	G	G	Jan-04	2.10			Detailed test plans for 2nd on-orbit test of Two Gyro Science complete-testing begins Nov. 16. The STIS - Space Telescope Imaging Spectrograph (STIS) Failure Review Board completed analysis on instrument failure and will present to Project 9/16. Several on-orbit tests will be proposed to assess status and health of instrument to support possible on-orbit repair during HRSDM mission. Safe Mode Zero Gyro Sunpoint Failure Review Board final report by 9/30; briefing to 441 Mgmt early October.
IMAGE, MAP	G	G	G		0.10		0.10	Partial disk failure on IMAGE science processor (DEC Alpha) resulting in partial (~5-10%) loss of some science data. (Data are backed up on DVD's). The failed disk to be replaced.

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Missions Under Development								
Project	*Jul*	*Aug*	*Sep*	*Last Report*	*CS*	*Δ*	*SSC*	*Notes*
GLAST EGSE	Y	Y	Y		0.40	-0.60	1.50	Received new Release of Latte, required some changes to EGSE software, new release not backward compatible. Continuing to work extra hours to support EMI testing to keep the Project on schedule. Project providing contractor funds one month at a time.
GLAST GFEPs	G	G	G		0.10		1.50	Continuing development. Funding received to continue work in CY05
GLAST Operations	G	G	G	Jul-02	0.90		1.00	RFP for MOC development to be sent to contractor week of 9/20. Mission CDR 9/21, 9/22
GPM	G	G	G		0.10	-0.20		Some minor work with Art Ferrer on CFDP.
JWST Ground Sys	Y	G	G		2.40		4.55	Successful IGSS-to-ICDH Interface Compatibility Test 9/2/2004. 18 IGSS Racks complete except for UPS and Doors. B13 IGSS/ITSS Facility acquired. Completed XML-to-RDL conversion tool (Jeff Condron) for ASIST to Eclipse database conversion.
JWST ICDH EGSE Support	G	G	G		0.00		0.10	ASIST Team supporting Rich Hollenhorst
LRO	G	G	G		0.10			Ryan Turner and Tim Ray
LWS/SET	G	G	G		1.40	0.10	2.00	Answering 4 Peer Review RFAs, defining requirements, updating schedule, preparing for Carrier I&T (Nov) PDR Oct 19,20, SET-1 targets ride on ST-8 in 2007.
SDO	G	G	G		1.90	0.20	1.50	Presented ASIST/FEDS software design (including data flow diagrams, PDL's, etc.) to SDO MOC Team. Tim Ray and team investigating SLE for SDO, MAP, IMAGE
ST-5	g	G	G	Jul-04	1.70		9.00	MOR completed in Sept. May be supporting ST-5 I&T (working w/ 568). Ferrara served on MOR Review Panel
Swift	G	G	G		1.10		0.10	Bob O'Brien supporting Science Software Updates, part of 583 team. Forman served on Swift FOR Review Panel.
ULDB CREAM	G	G	G		0.10		0.10	Some issues regarding multi-hop commanding were resolved.

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Initiatives/Proposal Work/SEB's								
Project	*Jul*	*Aug*	*Sep*	*Last Report*	*CS*	*Δ*	*SSC*	*Notes*
Adaptive Sensor Fleet	G	G	G		0.60			Delivered the Java Native Interface (JNI) code to Jeff for calling of path planning functions created by Code 590. Assisted in the development of numerous Java classes used by ASF: Fleet, Platform, Map, MapCell, TargetRegion, FleetManager.
AETD Mentoring Program and Diversity Council	G	G	G		0.20			Supported Goddard Community Day. Working AETD Mentor Prog schedule for 04-05. Announcements go out by end of Sept requesting mentors/mentees.
AIST Proposal Winner	G	G	G	Jun-03	0.10		2.00	Working towards semi-annual review Oct 11, 2004 with ESTO. Using technology in BAA proposal to H&RT
Control Center in the Classroom	G	G	G	Sep-04	0.40			Supported Sub-SEM/FREESPACE sounding rocket launch June 9; integrated range data front-end. Next SERI launch attempts mid-Oct. Upcoming new mission: NightGLO; balloon w/student controlled cameras; Spring '05.
CCSDS Panel Support	G	G	G		0.20			CFDP software for flight, baseline 1.0 complete by 9/30
Core FSW Exec			G		0.00		0.10	Supporting 582 using ASIST
Engineering Process Group (EPG)	G	G	G		0.60			Centa working on completing two processes: "Requirements Management" and "Requirements Development." Expected to complete and be given to CCB for approval in 3-4 weeks.

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Initiatives/Proposal Work/SEB's								
Project	*Jul*	*Aug*	*Sep*	*Last Report*	*CS*	*Δ*	*SSC*	*Notes*
GMSEC	**G**	**G**	**G**		1.60		2.00	Supporting ISR for ST-5 model-based ops. August 11delivered Simulink interface via a borrowed workstation from the ST5 project. Trained WPI students on their interface so students can update orbit propagator and RFmodels for GMSEC use. Support Web services' soap interface development and sys admin support and JAVA interface.
IMDC Support					0.00			
METS/ESES SEB		**G**	**G**		0.10			Proposals still being evaluated. Decision on METS due mid-Nov, ESES decision due mid-Oct
QMS Workshop					0.00			
Science Visualization Studio	**G**	**G**	**G**	Aug-03	0.60			SVS provided significant support to media coverage of hurricanes Charley, Frances, and Ivan including breaking news visualizations showing current data from TRMM, Aqua,Terra, SeaWiFS, GOES. Supported live interviews w/ GSFC scientists shown on Today Show, NBC Nightly News, CNN .... Turnaround of these visualizations is in hours (vital for breaking news stories) enabling NASA products to gain wide media exposure.
SensorWeb	**G**	**G**	**G**		0.10			Successful Volcano detection and reimaging with ASE in Aug.
Space Wire IR&D	**G**	**G**	**G**		1.00		0.00	Finishing up. (Code 560 R&TD)

Code 584 Project Status

Delta

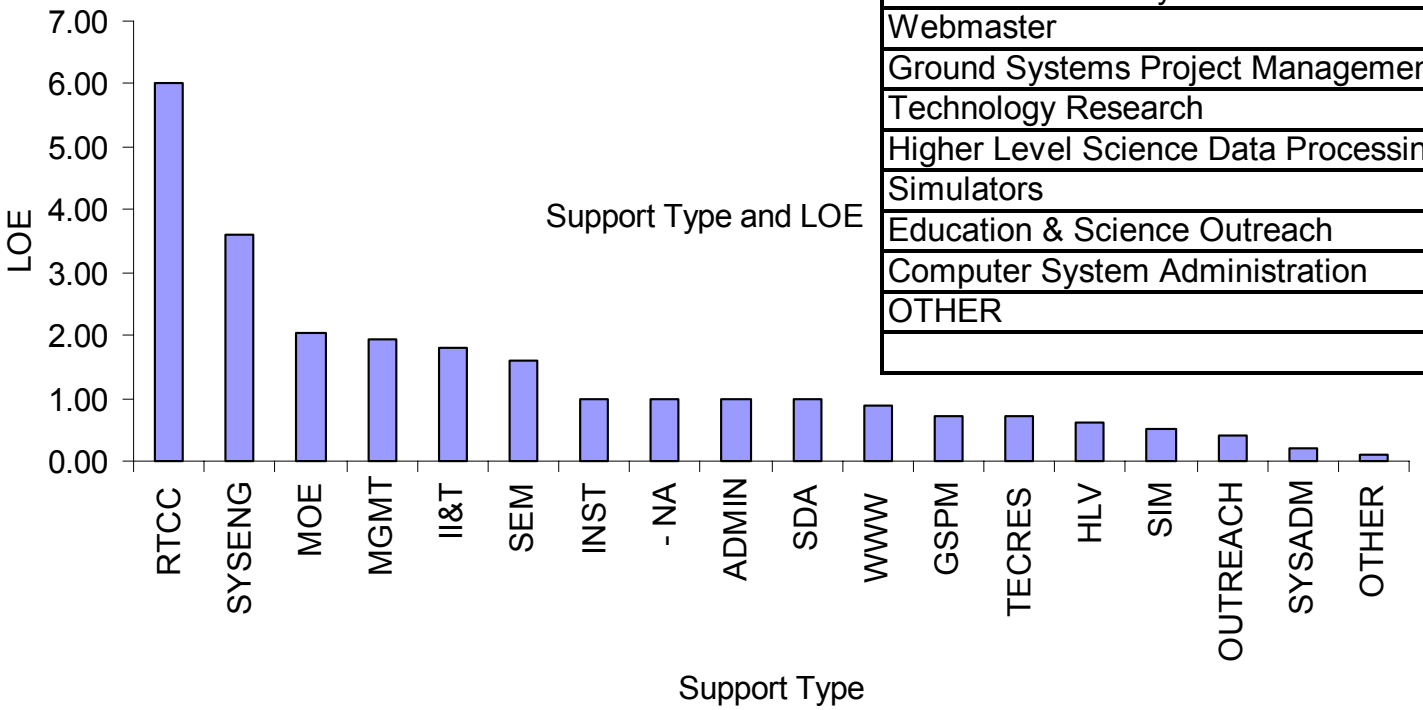
Name	From Core Business	To Core Business	From Project	To Project	Delta	Notes
Eve Rothenberg	ISE-Primary Work Standard	ISE-Primary Work Standard	Hitchhiker	LWS/SET	0.1	Hitchhiker closeout
Tim Ray	ISE-Primary Work Standard	ISE-Primary Work Standard	GPM	SDO	0.2	Working SLE option for SDO, MAP, IMAGE
Connie Houchens	ISE-Primary Work Standard	ISE-Primary Work Standard	GLAST ACD	AFA	0.6	GLAST may ask for her back in Nov. Working with 568 for possible transition to ST-5 (test conductor)

Other Items

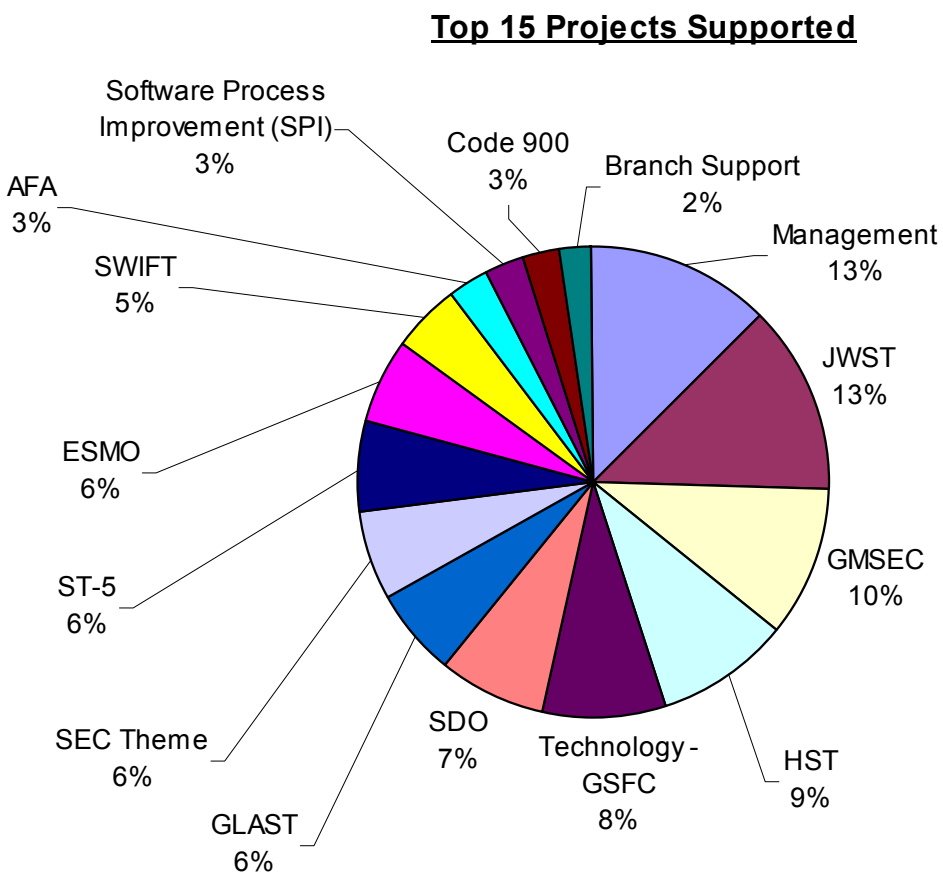
- Planning for next QMS Workshop starting Oct

Code 584 Staffing Overview – Sept 2004

Support Type	Support Type	LOE
Real-Time Command and Control	RTCC	6.00
System Engineering	SYSENG	3.60
Mission Operations Engineering	MOE	2.05
Functional/Senior Management	MGMT	1.95
Instrument I&T	II&T	1.80
Software Engineering Methods, Standards, Processes and Reliability	SEM	1.60
Administrative Institutional Systems	INST	1.00
Not Applicable	- NA	1.00
Resource Analysts	ADMIN	1.00
Science Data Analysis	SDA	1.00
Webmaster	WWW	0.90
Ground Systems Project Management	GSPM	0.70
Technology Research	TECRES	0.70
Higher Level Science Data Processing	HLV	0.60
Simulators	SIM	0.50
Education & Science Outreach	OUTREACH	0.40
Computer System Administration	SYSADM	0.20
OTHER	OTHER	0.10
		25.10



Code 584 Staffing Overview – Sept 2004

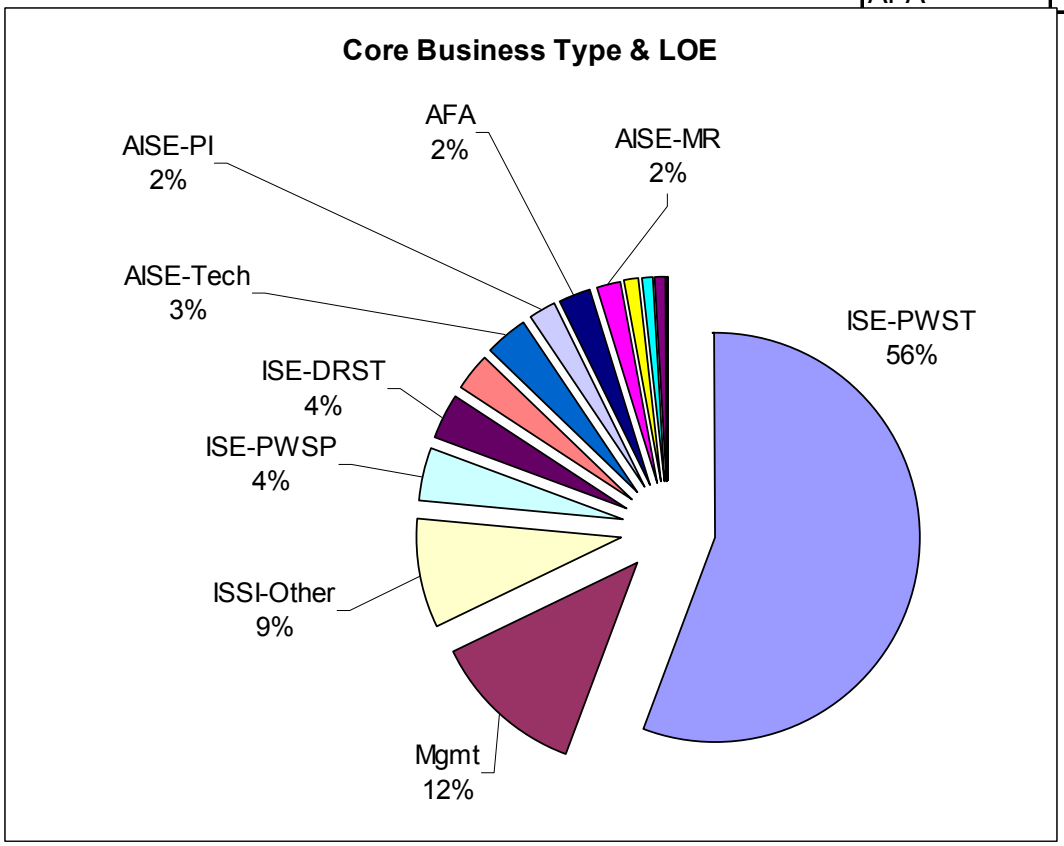


As Of 9/23/04

	ProjectName	LOE	
1	Management	2.90	9.56%
2	JWST	2.90	7.07%
3	GMSEC	2.30	6.50%
4	HST	2.10	2.10%
5	Technology - GSFC	1.90	9.18%
6	SDO	1.60	6.50%
7	GLAST	1.40	8.60%
8	SEC Theme	1.40	5.16%
9	ST-5	1.40	3.82%
10	ESMO	1.35	3.06%
11	SWIFT	1.10	2.68%
12	AFA	0.60	2.49%
13	Software Process Improvement (SPI)	0.60	2.29%
14	Code 900	0.60	2.29%
15	Branch Support	0.50	1.91%

Code 584 Staffing Overview – Sept 2004

Core Business Category	Subtotal
ISE	16.15
ISSI	3.40
MGMT	3.05
AISE	1.90
AFA	0.60
	25.10



Core Business Type	Abbrev	LOE
ISE-Primary Work, Standard	ISE-PWST	13.95
Management	Mgmt	3.05
ISSI-Other	ISSI-Other	2.20
ISE-Primary Work, Specialized	ISE-PWSP	1.00
ISE-Directed, Standard	ISE-DRST	0.90
ISSI-Fac Mgmt	ISSI-FM	0.80
AISE-Technology	AISE-Tech	0.80
AISE-Proc Improv	AISE-PI	0.60
AFA	AFA	0.60
AISE-Mission Request	AISE-MR	0.50
ISE-Primary Work, Standard Investment	ISE-PWSTI	0.30
ISSI-Sys Admin	ISSI-SA	0.20
ISSI-Prop Mgmt	ISSI-PropM	0.20
AISE-Unique	AISE-U	0.00
ISE-Directed, Specialized	ISE-DSP	0.00
ISE-Directed, Specialized Investment	ISE-DSPI	0.00
ISE-Primary Work, Specialized Investment	ISE-PWSPI	0.00
ISSI-Admin IT	ISSI-AIT	0.00
ISE-Directed, Standard Investment	ISE-DRSTI	0.00
ISE-Directed, Standard Investment	ISE-DRSTI	0.00
		25.10

Acronyms

ACD	Anti-Coincidence Detector (GLAST)
Cassini CIRS	Cassini Composite Infrared Spectrometer
CCC	Control Center in the Classroom
CCR	Configuration Change Request
CCSDS	Consultative Committee for Space Data Systems
CNES	Centre National d'Etudes Spatiales (French Space Agency)
CoO	Continuous Operation
CPU	Central Processing Unit
DR	Design Requirement
DRS	Disturbance Reduction System
DSA	Distributed Spacecraft Systems Architecture
EGSE	Electrical Ground Support Equipment
EMOS	EOS Mission Operations System
EO-1	Earth Observer 1
EOS	Earth Observatory System
EOSDIS	EOS Data Information System
FAST	Flexible Autonomous Access to Station
FSW	Flight Software
GLAS	Geoscience Laser Altimeter System
GLAST	Gamma Ray Large Area Space Telescope
GMSEC	GSFC Mission Services Evolution Center
GPM	Global Precipitation Measurement
HABS	Harmful Algal Bloom Spectroscopy
HST	Hubble Space Telescope
I&T	Integration and Test Support Systems
ICDH	ISIM Command & Data Handler
IGSS	ISIM Ground Support System
IMDC	Integrated Mission Design Center
IRAC	Infrared Array Camera
ISIM	Integrated Science Instrument Module
ITSS	Integration & Test
JWST	James Webb Space Telescope
LAT	Large Area Telescope (GLAST)
LISA	Laser Interferometer Space Antenna
LRTEE	Launch Range Technology Evaluation Environment
LWS	Living with a Star Program
MAP	Microwave Anisotropy Probe
MLA	Mercury Laser Altimeter
MOMS	Mission Operations and Mission Services
MRR	Mission Readiness Review
NASDA	National Aeronautical Space Defense Agency of Japan
NGN	NASA Ground Network
NICMOS	Near Infrared Camera & Multi-Object Spectrometer
OASIS	Ocean-Atmosphere Sensor Integration System
OMG	Object Management Group
ORR	Operational Readiness Review
OSAT	Observational Science Airborne Tracking
PSU	Penn State University
RADAC	Range Data Acquisition
REOC	Remote Earth Observing Control Center
ROWS	Radar Ocean Wave Spectrometer
RTEMS	Real-time Executive Multiprocessor System
RTOS	Real-time Operating System
RXTE	Rossi X-ray Timing Explorer
SAMPEX	Solar Anomalous & Magnetospheric Particle Explorer
SDO	Solar Dynamics Observatory
SEB	Source Evaluation Board
SI C&DH	Science Instrument Command & Data Handling
SEB	Source Evaluation Board
SEM	Space Experiment Module
SERI	Small-scale Educational Rocket Initiative
SET	Space Environment Testbed
SITS	Science Instrument Test System
SMEX	Small Explorer
SSM	Support Service Module
ST-5	Space Technology 5
ST-7	Space Technology 7
STIS	Space Telescope Imaging Spectrograph
SWAS	Submillimeter Wave Astronomy Satellite
TRACE	Transition Region and Coronal Explorer
TRMM	Tropical Rainfall Measuring Mission
UARS	Upper Atmosphere Research Satellite
ULDB	Ultra Long Duration Balloon
ULDB TIGER	The Trans Iron Galactic Element Recorder
ULDB CREAM	Cosmic Ray Energetics And Mass Balloon Experiment
WFC3	Wide Field Camera 3
WIRE	Wide-Field Infrared Explorer
XRT	X-ray Telescope